

REMARKS

Claims 1-20 were pending and remain pending in the application. Claims 10 and 11 have been cancelled. Therefore, Claims 1-9 and 12-20 are presented for examination herein.

Response to Claim Rejections – 35 USC 103

Applicant refers the examiner to the response to the first office action. The same arguments hold, but this time the claims have been amended to overcome the rejections.

Applicant points out that the software agent SW 183 in Kumar (US 6,278,993) is a server side entity that accepts search parameters from a user and then re-inserts the search parameters into one or more embedded registered search engines in addition to the search engine into which the user entered a search. That is, if an initial search engine SE does not find the results, the search parameters are inserted into one or more other embedded search engines, SE, perhaps found in the first search. This allows a form of multilevel searching. However, Applicant points out that this method of multilevel browsing (SW 183) causes jumps to links to be taken that may be an arbitrary number of hops away from a base web page, and therefore the aspects of present invention comprising the multilevel search techniques as set forth in the claims are not anticipated or rendered obvious by the Kumar reference.

For example, in accordance with the aspects of the present invention as recited in the claims herein, the multilevel search looks for a search string on a page that can be reached from within a fixed number, N, of links from a base page. Also, the claims recite the entry of two parameters, one being the search string, and the other defining the range of the multilevel search. The multilevel searches of Kumar have no concept of searching all pages linked within a particular link-defined distance from a target page, and therefore does not provide the advantages of the present invention. On the contrary, Kumar is addressing a separate problem all together whereby a user enters in a search string to a server, and then a server side program re-inserts the search string into other search engines, possibly encountered at lower depths of searching.

Similarly, the SW 183 does not represent executable code that is transported from a silent device to be executed by a remote server. The particular claimed embodiments all recite an aspect of the invention whereby a set of transportable program code is transmitted from the client to be executed on a remote server. Hence this particular claim set limits the claims in this way, and this is an additional although not necessary distinction over Kumar.

The Applicant requests the Examiner to study the claims as amended herein and compare them with the Kumar reference, especially in Col. 23, line 6 to Col. 26 line 28. The above mentioned differences become readily apparent.

For example, Kumar does not (to include the SE and the SW 183) the following:

a multilevel search control interface configured to accept at least two parameters, one that defines a content based search string and another that defines a linked set of documents that each have a hyperlink linkage of a specified range of linkage levels referenced from the target web page;

a set of portable executable program code that is responsive to the at least two parameters, and is programmed to perform a multilevel search to search each of the documents specified in the linked set of documents for the content that matches the content based search string, wherein documents in the linked set of documents are characterized in that they can be reached from the target through a sequence of N hyperlink activations, where N is a fixed integer;

a network based program module that causes at least a portion of the portable set of portable executable program code to be transmitted to a server that is adapted to accept executable code and to execute such code on behalf of one or more remote clients;

wherein upon being received at the server, at least some executable code that has been transferred from the browser module is permitted to execute at the server, and upon execution, the portion of the executable code that is executed orchestrates a multilevel search to cause the documents in the linked set of documents to be analyzed to determine whether they match the content based search string.

Summary

Claims 1-20 were pending in the application. Claims 10-11 were cancelled. Various claim amendments were made. Therefore, Claims 1-9, 12-20 were presented for examination herein.

Applicant notes that any amendments or claim cancellations made herein and not substantively discussed above are made solely for the purposes of more clearly and particularly describing and claiming the invention, and not for purposes of overcoming art. The Examiner should infer no (i) adoption of a position with respect to patentability, (ii) change in the Applicant's position with respect to any claim or subject matter of the invention, or (iii) acquiescence in any way to any position taken by the Examiner, based on such amendments or cancellations not substantively discussed.

Furthermore, any remarks made herein with respect to a given claim or amendment are intended only in the context of that specific claim or amendment, and should not be applied to other claims, amendments, or aspects of Applicant's invention.

Applicant specifically reserves the right to prosecute claims of differing and broader scope than those presented herein in a continuation application.

Lastly, Applicant notes that any amendments made by this paper which are not specifically discussed herein are made solely for the purpose of more clearly and particularly pointing out and claiming Applicant's invention.

If the Examiner has any questions or comments which may be resolved over the telephone, he is requested to call the undersigned at (305) 735-8533, fax a message at 305-437-7670, or send an email to dsperic@aol.com.

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Respectfully submitted,

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Dated: August 10, 2004

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EMD/Mult.001-CIP1
8/10/04